

(FILE 'USPAT' ENTERED AT 10:35:49 ON 13 AUG 1999)

L1 0 S 175/58,20
L2 0 S 175/58
L3 342 S 175/58,20/CCLS
L4 56266 S SOIL
L5 167405 S METHANOL
L6 12403 S L4 AND L5
L7 0 S L3 AND L6
L8 1 S L3 AND L5
L9 0 S 73/864.44,864.45,863.21
L10 433 S 73/864.44,864.45,863.21/CCLS

=> s l6 and l10

L11 2 L6 AND L10

=> d ti l11

US PAT NO: 5,574,230 [IMAGE AVAILABLE] L11: 1 of 2
TITLE: Silica gel, Tenax, and carbon media adsorption tube for
the sampling of a wide variety of organic compounds in
air and gas streams

=> d ti l11 1-

US PAT NO: 5,574,230 [IMAGE AVAILABLE] L11: 1 of 2
TITLE: Silica gel, Tenax, and carbon media adsorption tube for
the sampling of a wide variety of organic compounds in
air and gas streams

US PAT NO: 5,038,624 [IMAGE AVAILABLE] L11: 2 of 2
TITLE: **Soil** recoring device

=> d l11 kwic

US PAT NO: 5,574,230 [IMAGE AVAILABLE] L11: 1 of 2
US-CL-CURRENT: 73/863.23, **863.21**

SUMMARY:

BSUM(2)

The . . . air sampling tubes, each with their own advantages
.sup.1,2,3,4. When used in combination sample collection of widely
differing compounds from **methanol** to petroleum naphtha is possible
with a single sample tube and one subsequent analysis, eliminating
possibly two additional sample collections. . . wide variety of
applications, including for example, indoor air quality sampling,
industrial hygiene sampling, industrial process sampling, stack emission
sampling, **soil** gas sampling, clean air act monitoring, personnel
monitoring, emissions sampling, ambient air sampling, pollution control
monitoring, environmental sampling, and exhaust. . .

=> d l11 kwic 2

US PAT NO: 5,038,624 [IMAGE AVAILABLE] L11: 2 of 2
TITLE: **Soil** recoring device
US-CL-CURRENT: **73/864.44**, 863

ABSTRACT:

A device for recoring **soil** samples composed of a device for advancing a **soil** sample, a **soil** sample assembly, a cutting tube and a chamber for receiving the **soil** sample as it exits the cutting tube. The cutting tube has a diameter which is smaller than that of the original **soil** sample which is to be recored.

SUMMARY:

DETDESC:

DETD(17)

A . . . each sample section was removed and placed into a one liter Erlenmeyer flask. 150 ml of 0.001 N NaOH in **methanol** was added to the sample and the mixture was stirred vigorously for 2-3 minutes. The solid material present in the . . . flask was separated from the liquid by suction filtration and then washed with 10 ml of 0.001 N NaOH in **methanol**. The NaOH/**methanol** wash was added to the filtrate. The solid was then washed twice with 150 ml aliquots of 0.001 N NaOH in **methanol**. The NaOH/**methanol** wash was then added to the filtrate. The filtrate was then diluted with 0.001 N NaOH in **methanol** to a volume of 500 ml and stirred. A sample was then analyzed spectrophotometrically using a linear absorbance spectrophotometer (Perkin-Elmer. . .